

Amendments to the Specification

On page 2, lines 11-12,

A lead frame incorporating all the suitable electrical wiring is provided. The lead frame has ~~only~~ at least one electrical connector leading out of the engine cover.

On page 2, lines 13-15,

In a VCT system, a single member incorporating all the suitable electrical wiring is provided. The single member has ~~only~~ at least one electrical connector leading out of the engine cover.

On page 3, lines 18-19,

Fig. 8A shows a second view of the lead frame of the present invention electrically connecting and holding the elements.

On page 3, line 20,

Fig. 8AB shows an inside structure of a lead frame of the present invention.

On page 4, lines 8-19,

Referring specifically to Fig. 1, elements inside the cam cover 20 of the present invention is depicted. Lead frame/housing 10 retains and accurately positions a pair of solenoids 16 such as variable force solenoids (VFS) for controlling or actuating a pair of spool valves (not shown) for a pair of VCT phasers 18 (see Figs 4-6). The moving or actuating element is in the center of each of the solenoids 16. The element comes in contact with a valve such as spool valve preferably in the center of the VCT phaser 18. A cam cover 20 is provided. The pair of solenoids 16 is mounted onto cam cover 20 by a plurality of fasteners 22. In other words, fasteners 22 transcend cam cover 20, variable force solenoid 16, and lead frame 10 in order to rigidly attach variable force solenoid 16 upon lead frame 10 and cam cover 20. Further, lead frame 10 also holds in place other elements such as ~~a second~~ an additional solenoid 23. As

described supra, other elements such as sensors may also be held by lead frame 10 in a similar manner.

On page 4, lines 20-27,

Referring to Fig. 2, an outside view of the cam cover of the present invention is depicted. As can be seen, electric connector 12 extends through an electric connector opening 20a. Electric connector 12 has a plurality of pins therein for electrically connecting to other devices (not shown) such as an engine control unit (ECU) for sending out and receiving signals. Through openings 20b (not shown) and 20c lead frame 10, variable force solenoid 16, and second solenoid 23 on the other side of cam cover 20 are partially shown. Openings 20d and 20e are used for affixing cam cover 20 to an engine cover 24 (see Fig. 3), and the cylinder head (not shown).

On page 5, lines 7-12,

Referring to Figs 7 and 8A, two views of lead frame 10 electrically connecting and physically rigidly affixing various elements including second solenoid 23, variable force solenoid 16, and other suitable elements are depicted. "M" slots 14 thereon are used to electrically connect and physically rigidly affix some of the other suitable elements. Further, lead heads 32 may be used to electrically connect and/or physically rigidly affix variable force solenoid 16 on lead frame 10.

On page 5, lines 13-15,

Referring to Fig. 8AB, the inside structure of lead frame 10 is shown. Lead frame 10 includes insulating member 10a and electrically conducting member path10b. Lead frame 10 may include more than one independently electrically conducting paths10b ~~intereconnects~~.

On page 5, lines 16-18,

As can be appreciated, lead frame 10 electrically connects and physically rigidly affixes ~~affixes~~ various elements inside engine cover 24 or cam cover 20. Further lead frame 10 saves multiple wire runs inside engine cover 24 or cam cover 20 as well.